

Title (en)

ANTHRACENYL-TETRALACTAM MACROCYCLES AND THEIR USE IN DETECTING A TARGET SACCHARIDE

Title (de)

ANTHRACENYL-TETRALACTAM-MAKROCYCLEN UND IHRE VERWENDUNG BEIM NACHWEIS EINES ZIELSACCHARIDS

Title (fr)

MACROCYCLES ANTHRACÉNYLE-TÉTRALACTAME ET LEUR UTILISATION DANS LA DÉTECTION D'UN SACCHARIDE CIBLE

Publication

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Application

EP 13727309 A 20130426

Priority

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Abstract (en)

[origin: WO2013160701A1] A water-soluble compound of the formula (I): (Formula (I)) wherein R9 and R10 are suitably hydrophilic substituents, which may be used to selectively bind to a target saccharide such as glucose and which exhibits a detectable spectroscopic response to such binding, thus enabling its use in the detection and correction of blood glucose concentrations in vivo.

IPC 8 full level

C07D 257/10 (2006.01); **G01N 33/66** (2006.01)

CPC (source: CN EP GB US)

A61B 5/14532 (2013.01 - US); **A61B 5/1455** (2013.01 - US); **A61K 49/0004** (2013.01 - US); **C07D 257/10** (2013.01 - CN EP GB US); **G01N 33/52** (2013.01 - CN EP GB US); **G01N 33/66** (2013.01 - CN EP GB US); **G01N 2800/042** (2013.01 - CN EP GB US)

Citation (examination)

CHENFENG KE ET AL: "A simple and accessible synthetic lectin for glucose recognition and sensing", NATURE CHEMISTRY, vol. 4, no. 9, 5 August 2012 (2012-08-05), GB, pages 718 - 723, XP055243163, ISSN: 1755-4330, DOI: 10.1038/nchem.1409

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DOCDB simple family (publication)

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